

GIGABIT ETHERNET MAGNETICS

Single Port Extended Temp Transformer Modules

LM02304

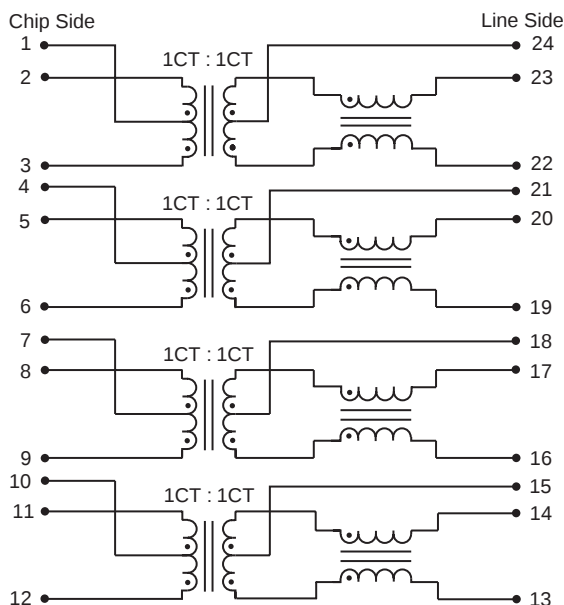
- Designed for use with 10/100/1000Base-T transceiver ICs
- Operating temperature -40° to +85° C
- Maximized for full duplex applications
- Supports four pairs of category 5 UTP cable
- Compliant with IEEE 802.3ab
- 350μH OCL with 8mA bias over operating temperature range
- IR reflow rating at 225° C peak

ELECTRICAL SPECIFICATIONS AT 25° C

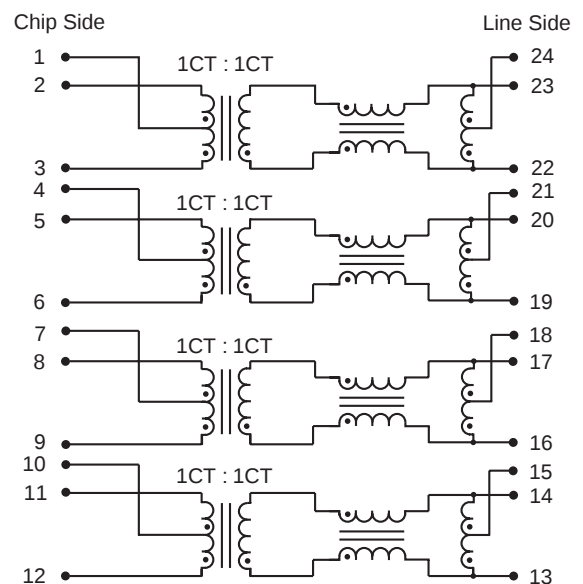
Part Number	Insertion Loss dB max	Return Loss dB min		Common to Common Mode Rejection dB min	Crosstalk dB min	Hipot Vrms min
	0.1MHz to 100MHz	0.5MHz to 40MHz	40MHz to 100MHz	100KHz to 100MHz		
S558-5999-AB	-1.0	-18	12 - 20 log (f/80 MHz)	-30	33 - 20 log (f/50MHz)	1500
S558-5999-AC	-1.0	-18	12 - 20 log (f/80 MHz)	-30	33 - 20 log (f/50MHz)	1500
S558-5999-AR	-1.0	-18	12 - 20 log (f/80 MHz)	-30	33 - 20 log (f/100MHz)	1500
S558-5999-AT	-1.0	-18	12 - 20 log (f/80 MHz)	-30	33 - 20 log (f/100MHz)	1500

SCHEMATICS

**S558-5999-AB
S558-5999-AR**



**S558-5999-AC
S558-5999-AT**

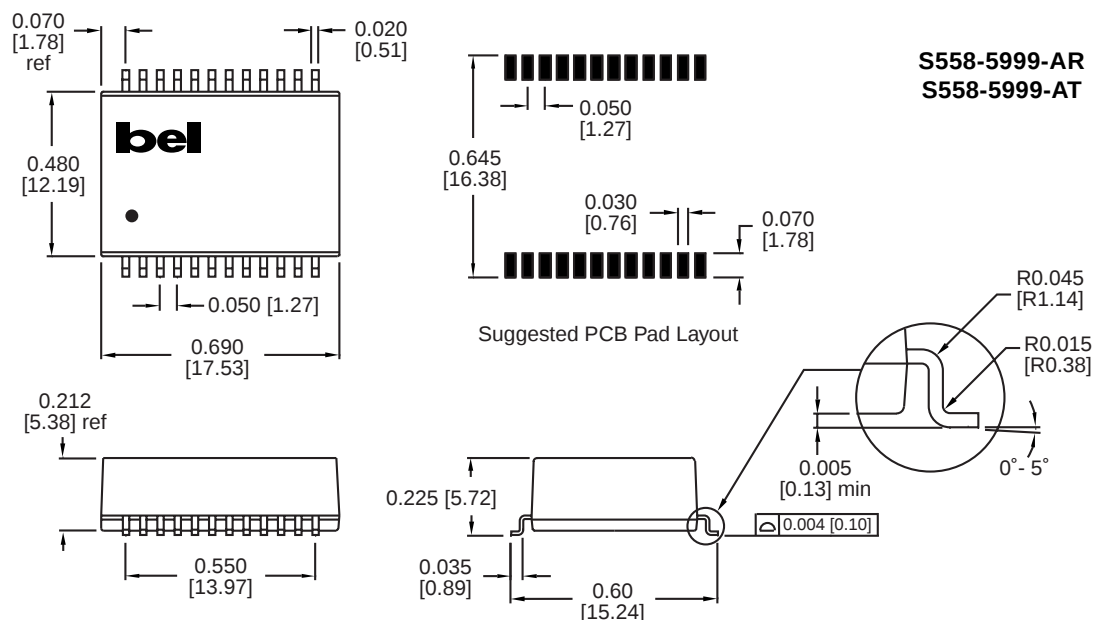


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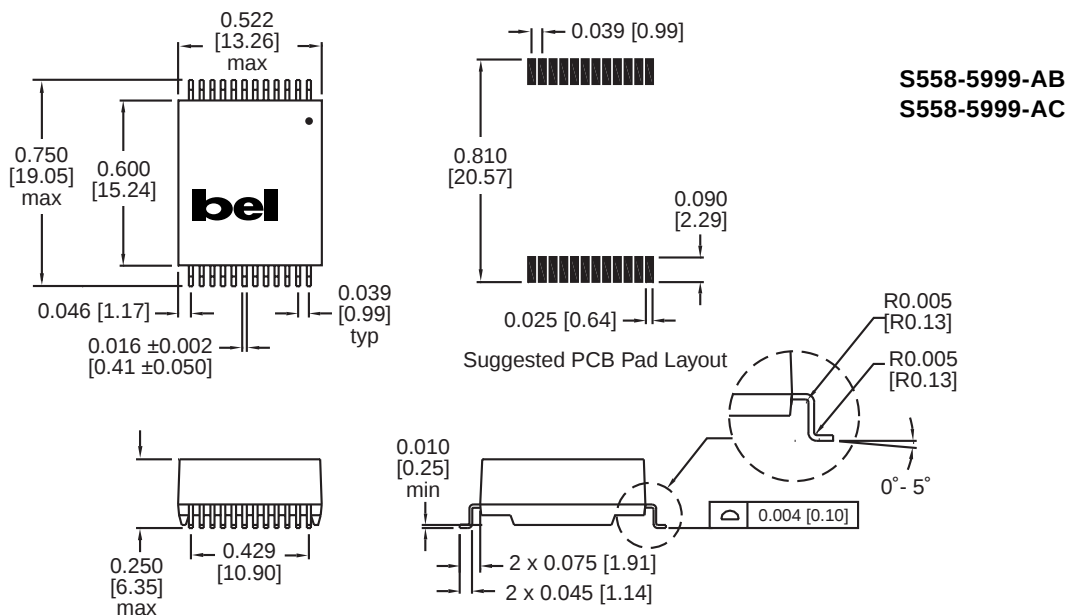
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MECHANICALS



Dimensions are in inches [millimeters].
Standard dimension tolerance is ± 0.005 [0.13] unless otherwise noted.



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